

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **08-358359** (71)Applicant : **KANETSUKI SUMIO**

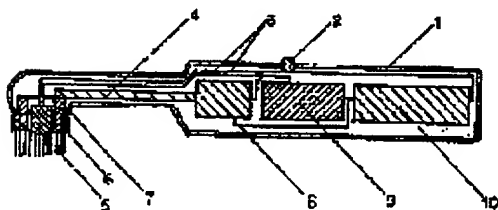
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(54) TOOTHBRUSH UTILIZING ULTRASONIC WAVES

(57)Abstract:

PROBLEM TO BE SOLVED: To keep teeth white and sanitary by removing dirt on teeth and dental plaques without using any polishing material.

SOLUTION: An ultrasonic wave generator 9 is attached to a conventional toothbrush.



LEGAL STATUS

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Machine Translation

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001] A [technical field to which invention belongs] this invention is a gear-tooth brush aiming at attaching an ultrasonic device in a manual gear-tooth brush or an electric toothbrush, it being white in a gear tooth at brushing with the ultrasonic wave and brush which are generated, dropping *****, and making it more sanitary.

[0002] Conventionally [[conventional technical]], their teeth tend to be brushed with a gear-tooth brush and toothbrushing powder, and it is going to drop dirt, such as a crevice between dental, and *****.

[0003] In order to remove ***** of the crevice between dental, a dental background, and the crevice between the gums, and dirt conventionally [[technical problem which invention tends to solve]], or in order to make it white, a lot of abrasives were put in into dentifrice powder, and there was a trouble that the gear tooth itself might occasionally be deleted.

[0004] Even if dentifrice powder containing abrasives is not used for this invention, it removes ***** and dirt and aims at making a gear tooth white and making it more sanitary.

[0005] In order to attain the [The-means-for-solving-a-technical-problem] above-mentioned purpose, a sonicator is attached in an ordinary manual gear-tooth brush or an electric toothbrush in the gear-tooth brush using the ultrasonic wave of this invention.

[0006] It gets across to a gear tooth through the water which vibration of the ultrasonic wave which the above-mentioned sonicator generates uses together, or liquid dentifrice.

[0007] The gestalt of a [gestalt of implementation of invention] this invention is explained with reference to a drawing based on an example. It consists of attaching a ultrasonic vibrator 5 in brush 6 portions of an ultrasonic device 9 and a tank 1 built in the grip portion of a tank 1, and wiring them in drawing 1 .


[0008] Since the [effect-of-the-invention] this invention is constituted as explained above, it does so an effect which is indicated below.

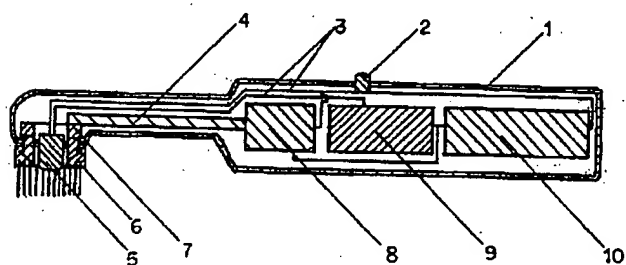
[0009] The tar of the big crevice between dental where it eats, brushing to dregs and the gum is carried out, and a brush cannot hit easily due to vibration of an ultrasonic wave, a dental background, the dirt of the crevice between the gums, *****, and tobacco is dropped on brushing with a brush, and it can make it easy to keep a gear tooth sanitary white daily.

CLAIMS

[Claim(s)]

[Claim 1] A manual gear-tooth brush or the gear-tooth brush which attached the sonicator in the electric toothbrush.

Drawing selection [Representative drawing] 



[Translation done.]